


```

LL      IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TTTTTTTTTT  TTTTTTTTTT  PPPPPPPP  ZZZZZZZZZZ
LL      IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TTTTTTTTTT  TTTTTTTTTT  PPPPPPPP  ZZZZZZZZZZ
LL      IIIIII  BB      BB  CC      CC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LL      IIIIII  BB      BB  CC      CC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LL      IIIIII  BB      BB  CC      CC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LL      IIIIII  BBBB BBBB  CC      CC  VV      VV  TT      TT  PPPPPPPP  ZZ      ZZ
LL      IIIIII  BBBB BBBB  CC      CC  VV      VV  TT      TT  PPPPPPPP  ZZ      ZZ
LL      IIIIII  BB      BB  CC      CC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LL      IIIIII  BB      BB  CC      CC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LL      IIIIII  BB      BB  CC      CC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LL      IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TT      TT  PP      PP  ZZ      ZZ
LLLLLLLL  IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TT      TT  PP      PP  ZZZZZZZZZZ
LLLLLLLL  IIIIII  BBBB BBBB  CCCCCCCC  VV      VV  TT      TT  PP      PP  ZZZZZZZZZZ
      ....

LL      IIIIII  SSSSSSSS
LL      IIIIII  SSSSSSSS
LL      IIIIII  SS      SS
LL      IIIIII  SS      SS
LL      IIIIII  SS      SS
LL      IIIIII  SSSSSS
LL      IIIIII  SSSSSS
LL      IIIIII  SS      SS
LL      IIIIII  SS      SS
LL      IIIIII  SS      SS
LL      IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS
LLLLLLLL  IIIIII  SSSSSSSS

```

(2)	50	HISTORY	: Detailed Current Edit History
(3)	58	DECLARATIONS	
(4)	88	LIBSAB_CVTTP_2	

```
0000 1 .TITLE LIBSAB_CVTTP_Z Zoned to Packed Translation Table
0000 2 .IDENT /1-0027 ; File: LIBCVTTPZ.MAR EDIT: RKR1002
0000 3
0000 4
0000 5 *****
0000 6
0000 7 *
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0000 25 *
0000 26 *****
0000 27
0000 28
0000 29 FACILITY: LIBRARY SUPPORT
0000 30 ++
0000 31 ABSTRACT:
0000 32 This module contains the translation table for zoned to packed
0000 33 conversion using the CVTTP instruction.
0000 34
0000 35
0000 36 --
0000 37
0000 38 VERSION: 1
0000 39
0000 40 HISTORY:
0000 41
0000 42 AUTHOR:
0000 43 R. Reichert, 19-feb-1980
0000 44
0000 45 MODIFIED BY:
0000 46
0000 47
0000 48
```


LIB\$AB_CVTTP_Z
1-002

```

Zoned to Packed Translation Table L 5 15-SEP-1984 23:54:11 VAX/VMS Macro V04-00 Page 2
HISTORY ; Detailed Current Edit History 6-SEP-1984 11:05:07 [LIBRTL.SRC]LIBCVTTPZ.MAR;1 (2)

0000 50 .SBTTL HISTORY ; Detailed Current Edit History
0000 51
0000 52
0000 53 ; Edit History for Version 1 of LIBCVTTPZ
0000 54 :
0000 55 : 1-001 - Original. RKR 19-Feb-1980
0000 56 : 1-002 - Modified copyright date to reflect 1981 release. RKR 6-JAN-81

```

```
0000 58 .SBTTL DECLARATIONS
0000 59
0000 60 :
0000 61 : INCLUDE FILES:
0000 62 :
0000 63 :
0000 64 :
0000 65 : EXTERNAL SYMBOLS:
0000 66 : NONE
0000 67 :
0000 68 :
0000 69 :
0000 70 : MACROS:
0000 71 : NONE
0000 72 :
0000 73 :
0000 74 :
0000 75 : PSECT DECLARATIONS:
0000 76 : .PSECT _LIB$CODE PIC, SHR, LONG, EXE, NOWRT
0000 77 :
0000 78 :
0000 79 : EQUATED SYMBOLS:
0000 80 : NONE
0000 81 :
0000 82 :
0000 83 :
0000 84 : OWN STORAGE:
0000 85 : NONE
0000 86 :
```

```
0000 88 .SBTTL LIB$AB_CVTTP_Z
0000 89
0000 90 :++
0000 91 : FUNCTIONAL DESCRIPTION:
0000 92 :
0000 93 : This is the zoned to packed translation table.
0000 94 :
0000 95 : It is used in conjunction with a CVTTP machine instruction to
0000 96 : convert zoned numeric data items to packed decimal data type. Given
0000 97 : the binary representation for the highest addressed byte (that is, the
0000 98 : least significant digit and sign) of a data item in the zoned numeric
0000 99 : data type, the table gives the hex representation of the
0000 100 : highest addressed byte in the packed decimal form of the data item.
0000 101 :--
0000 102
0000 103 LIB$AB_CVTTP_Z::
0000 104
0000 105 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : Hex
0000 106 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : ----
0008 107 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 00-07
0010 108 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 08-0F
0018 109 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 10-17
0020 110 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 18-1F
0028 111 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 20-27
0030 112 .BYTE ^X0C,^X1C,^X2C,^X3C,^X4C,^X5C,^X6C,^X7C : 28-2F
0038 113 .BYTE ^X8C,^X9C,^X00,^X00,^X00,^X00,^X00,^X00 : 30-37
0040 114 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 38-3F
0048 115 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 40-47
0050 116 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 48-4F
0058 117 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 50-57
0060 118 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 58-5F
0068 119 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 60-67
0070 120 .BYTE ^X0D,^X1D,^X2D,^X3D,^X4D,^X5D,^X6D,^X7D : 68-6F
0078 121 .BYTE ^X8D,^X9D,^X00,^X00,^X00,^X00,^X00,^X00 : 70-77
0080 122 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 78-7F
0088 123 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 80-87
0090 124 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 88-8F
0098 125 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 90-97
00A0 126 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : 98-9F
00A8 127 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : A0-A7
00B0 128 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : A8-AF
00B8 129 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : B0-B7
00C0 130 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : B8-BF
00C8 131 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : C0-C7
00D0 132 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : C8-CF
00D8 133 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : D0-D7
00E0 134 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : D8-DF
00E8 135 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : E0-E7
00F0 136 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : E8-EF
00F8 137 .BYTE ^X00,^X00,^X00,^X00,^X00,^X00,^X00,^X00 : F0-F7
0100 138 .END
0100 139
```


LIB\$AB_CVTTP_Z
Symbol table

Zoned to Packed Translation Table B 6

15-SEP-1984 23:54:11 VAX/VMS Macro V04-00
6-SEP-1984 11:05:07 [LIBRTL.SRC]LIBCVTTPZ.MAR;1

Page 5
(4)

LIB\$AB_CVTTP_Z 00000000 RG 01

+-----+
! Psect synopsis !
+-----+

PSECT name	Allocation	PSECT No.	Attributes
ABS	00000000 (0.)	00 (0.)	NOPIC USR CON ABS LCL NOSHR NOEXE NORD NOWRT NOVEC BYTE
LIB\$CODE	00000100 (256.)	01 (1.)	PIC USR CON REL LCL SHR EXE RD NOWRT NOVEC LONG

+-----+
! Performance indicators !
+-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	29	00:00:00.06	00:00:01.69
Command processing	114	00:00:00.30	00:00:04.27
Pass 1	66	00:00:00.49	00:00:04.00
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	40	00:00:00.21	00:00:01.73
Symbol table output	1	00:00:00.01	00:00:00.01
Psect synopsis output	2	00:00:00.00	00:00:00.11
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	254	00:00:01.08	00:00:11.82

The working set limit was 900 pages.
2671 bytes (6 pages) of virtual memory were used to buffer the intermediate code.
There were 10 pages of symbol table space allocated to hold 1 non-local and 0 local symbols.
138 source lines were read in Pass 1, producing 8 object records in Pass 2.
0 pages of virtual memory were used to define 0 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name	Macros defined
_\$255\$DUA28:[SYSLIB]STARLET.MLB;2	0

0 GETS were required to define 0 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL,TRACEBACK)/LIS=LISS:LIBCVTTPZ/OBJ=OBJ\$:LIBCVTTPZ MSRC\$:LIBCVTTPZ/UPDATE=(ENH\$:LIBCVTTPZ)

0205 AH-BT13A-SE
VAX/VMS V4.0

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